Developments of Roads and Drains at Attur, Ananthapura, 3rd Phase Sanitary Core Areas and Drilling of Borewells and Providing Pipe line at SC/ST Areas in Ward No:03 and 04 of Yelahanka Division (Package:09)"

Second and Part Bill

PMC

BOOK NO-02

RUDRAPRASAD CONSULTANTS

Structural Engineers, Architects &
Project Management Consultants

To,

Date: 09-06-2021

THE EXECUTIVE ENGINEER

YELAHANKA DIVISION

BBMP

BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of**"DEVELOPMENTS OF ROADS AND DRAINS AT ATTUR, ANANTHAPURA, 3RD PHASE SANITARY CORE AREAS AND DRILLING OF BOREWELLS AND PROVIDING PIPE LINE AT SC/ST AREAS IN WARD NO:03 AND 04 OF YELAHANKA DIVISION (PACKAGE NO:09)."**

Ref: 1. Work Order No: BBMP/EE/YNK.D/EPMT-05/W.O/186/2020-21

2. Job code: 003-21-000044

We are here with forwarding to Sri.K.Venkata Raju, No:23, RMV 2nd Stage, Nagashettyhalli, Near Akai Public School, Bangalore-560094. Second & Part Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs.55,15,953.00 /- (Rs. Fifty Five Lakhs Fifteen Thousand Nine Hundred and Fifty Three Only). First and Part bill for Rs.97,77,880.00 /- was previously submitted & the total bill amount submitted till date being Rs.1,52,93,833.00 /-(Rs. One Crore Fifty Two lakhs Ninety Three Thousand Eight Hundred and Thirty Three Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಜ.ಎ.ಪಾ. ಬೆಂಗಳೂರು-106

Attachments PMC Compliance report

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

RUDRAPRASAD CONSULTANTS

Structural Engineers, Architects &
Project Management Consultants

NAME OF WORK:- Developments of Roads and Drains at Attur, Ananthapura, 3rd Phase Sanitary Core Areas and Drilling of Borewells and Providing Pipe Line at SC/ST Areas in Ward No:03 and 04 of Yelahanka Division (Package no:09).

Name of Client : THE EXECUTIVE ENGINEER, YELAHANKA DIVISION, BBMP, BANGALORE

Contractor/ Agency: Sri.K.Venkata Raju, No:23, RMV 2nd Stage, Nagashettyhalli, Near Akai Public School, Bangalore-560094.

Total Cost : Rs.55,15,953.00 /-

Date Of Inspection : 09-06-21

Status Of Bill : Second & Part Bill

In the Presence of : a) Assistant Engineer Yelahanka division, BBMP, Bangalore
b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
1	KSRRB 300 - Excavation for road, drains and similar works - KSSRB 300-1. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods Complete as per specifications MORTH Chapter 3 (Page No.143 & Item No-19.2)	Work done upto the Billed Quantity and the Quality is satisfactory
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH sPECIFICATION nO.301 (Page No.143 /Item No-19.14)	Work done upto the Billed Quantity and the Quality is satisfactory

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೧೮

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51	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47)	Work done upto the Billed Quantity and the Quality is satisfactory
3	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications	Work done upto the Billed Quantity and the Quality is satisfactory
4	Compaction of Original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications as per Engineer in Charges	Work done upto the Billed Quantity and the Quality is satisfactory
10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision. As per Engineer in Charges	Work done upto the Billed Quantity and the Quality is satisfactory
5	KSRRB 4.1.3: Providing and laying in position Plain cement concrete of Mix 1:4:8 with OPC @ 180 kgs, with 40mm and Down size graded granite metal course aggregate s@ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted , in foundation , including cost of all materials, labour, HOM curing Complete as per specifications, Specification No. KBS 4.1, 4.2. (Page No.13, Item No. 4.3)	Work done upto the Billed Quantity and the Quality is satisfactory

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6	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification- WALL & Bottom thickness 15Cm (page no 271 & Item No 37.59.2)	Work done upto the Billed Quantity and the Quality is satisfactory
7	KSRB -4:9:2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No KBS 4.6.3 do TMT Bars Fe 500 (Page No 18 & Item No 4.46.2	Work done upto the Billed Quantity and the Quality is satisfactory
8	Supply and fixing Precast reinforced concrete slab 10cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Work done upto the Billed Quantity and the Quality is satisfactory
9	Supply and fixing Precast reinforced concrete slab 250cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Work done upto the Billed Quantity and the Quality is satisfactory

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11	Constructing of un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum fine aggregates at 0.46 cum, Coarse and fine aggregate confirming to IS:383-2016,with Superplastisiser at 3 lts confirming to IS9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire charges of machines,all lead and lift charges etc.,	Work done upto the Billed Quantity and the Quality is satisfactory
12	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., Complete with all lead and lift as per the direction of Engineer in charge	Work done upto the Billed Quantity and the Quality is satisfactory
13	KSRB 15.19.2 : Providing and supplying ready mix priming coat over concrete/ masonry / asbestos/cement sheet/ plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials labours complete as per specifications (Page no 124 & Item no 15.80)	Work done upto the Billed Quantity and the Quality is satisfactory
14	KSRB 800. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour Complete as per specifications (Page no 180 & Item no 24.1)	Work done upto the Billed Quantity and the Quality is satisfactory

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15	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. As per Engineer In Charges	Work done upto the Billed Quantity and the Quality is satisfactory

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